

ABSTRACT

An aptamer-probe complex for detecting the presence of a target molecule is disclosed. The complex of the present invention contains an aptamer moiety which is able to bind to an indicator protein and change the properties of the indicator protein, and a probe moiety which is able to bind to a target molecule, wherein the aptamer moiety and the probe moiety are combined in such a manner that the binding mode between the aptamer moiety and the indicator protein changes when the probe moiety binds to the target molecule. A target molecule can be detected with combination of an aptamer which binds to a certain protein, and a probe which binds to the target molecule, utilizing the properties of that protein as an indicator.